

**UTILITY
PATENT APPLICATION
TRANSMISSION**

CERTIFICATE OF MAIL (37 CFR 1.8(a))
I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: MAIL STOP PATENT APPLICATION, FEE, Commissioner for Patent, P.O. Box 1450, Alexandria, VA 22313-1450 on October 15, 2003.

Signed:

Laura Lee Mosier

Our Docket No.: **A-717311/MSS** Date: **October 15, 2003**

First Named Inventor: **SENZAKI, Yoshihide**

Title: **Two-Step Atomic Layer Deposition of Copper Layers**

Express Mail No.: **EV 182 097 690 US**

U.S. PTO
22386 U.S. PTO
10/686898
10/15/03

ADDRESS TO:

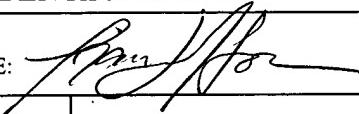
**Mail Stop Patent Application, FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

APPLICATION ELEMENTS

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Fee Calculation Sheet
(Submit an original and a duplicate for fee processing) | 7.. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) |
| 2. <input type="checkbox"/> Applicant claims small entity status | 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission
(If applicable, all necessary) |
| 3. <input checked="" type="checkbox"/> Specification Total Pages: .11 | a. <input type="checkbox"/> Computer Readable Form (CRF) |
| <input type="checkbox"/> Descriptive title of the invention | b. <input type="checkbox"/> Specification Sequence Listing on: |
| <input type="checkbox"/> Cross References to Related Applications | i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or |
| <input type="checkbox"/> Statement Regarding Fed. Sponsored R&D | ii. <input type="checkbox"/> Paper |
| <input type="checkbox"/> Reference to Microfiche Appendix | c. <input type="checkbox"/> Statement verifying identify of above copies |
| <input checked="" type="checkbox"/> Background of the Invention | |
| <input checked="" type="checkbox"/> Brief Summary of the Invention | |
| <input checked="" type="checkbox"/> Brief Description of the Drawings | |
| <input checked="" type="checkbox"/> Detailed Description | 9. <input type="checkbox"/> Certification Under 35 U.S.C. 122(b)(2)(B)(i) |
| <input checked="" type="checkbox"/> Claims | 10. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) |
| <input checked="" type="checkbox"/> Abstract of the Disclosure | 11. <input type="checkbox"/> 37 C.F.R. 3.73(b) Submission |
| 4. <input checked="" type="checkbox"/> Drawings (35 U.S.C. 113) Total Sheets: 1 | 12. <input type="checkbox"/> Power of Attorney |
| 5. <input type="checkbox"/> Unexecuted Oath or Declaration Total Pages: | 13. <input type="checkbox"/> English Translation Document (if applicable) |
| a. <input type="checkbox"/> Newly Executed (original or copy) | 14. <input type="checkbox"/> Information Disclosure Statement
(with Copies of Citations as necessary) |
| b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. 1.63(d)) (for continuation/divisional with Box 19 completed) | 15. <input type="checkbox"/> Preliminary Amendment Total Pages: |
| 1. <input type="checkbox"/> DELETION OF INVENTORS
Signed statement attached deleting inventor(s) named in the prior application (37 C.F.R. 1.63(d)(2) and 1.33(b)) | 16. <input checked="" type="checkbox"/> Return Receipt Postcard
(Should be specifically itemized) |
| 6. <input type="checkbox"/> Application Data Sheet (37.C.F.R. 1.76) | 17. <input type="checkbox"/> Certified Copy of Priority document(s)
(if foreign priority is claimed) |
| 19. If a CONTINUING APPLICATION , check appropriate box and supply the requisite information:
<input type="checkbox"/> Continuation <input type="checkbox"/> Division <input type="checkbox"/> Continuation-in-part (CIP) of prior Application No.: | 18. <input type="checkbox"/> Other |

For continuation or divisional applications: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference

CORRESPONDENCE ADDRESS

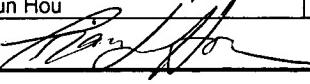
ATTY NAME	Tianjun Hou Reg. No. 51,821	SIGNATURE: 	DATE: October 15, 2003
ADDRESS	DORSEY & WHITNEY LLP Four Embarcadero Center, Suite 3400 San Francisco, California 94111-4187		Customer Number: 32940
TELEPHONE	(650) 494-8700		
FAX	(650) 494-8771		

**APPLICATION
SEE TRANSMITTAL SHEET**

Complete if Known	
Application No.	To be assigned
Filing Date	October 15, 2003
First Named Inventor	SENZAKI, Yoshihide
Group Art Unit	To be assigned
Examiner Name	To be assigned
Atty. Docket Number and Title:	A-71731/MSS (463035-861) Two-Step Atomic Layer Deposition of Copper

METHOD OF PAYMENT (Check One)				FEE CALCULATION (Continued)																																	
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account No.: <u>50-2319</u> Deposit Account Name: <u>DORSEY & WHITNEY LLP</u>				3. ADDITIONAL FEES <table> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th></th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> </tr> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge - Late nonprovisional filing fee or oath</td> </tr> <tr> <td>126</td> <td>180</td> <td>126</td> <td>180</td> <td>Submission of IDS</td> </tr> <tr> <td>581</td> <td>40</td> <td>81</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> </tr> </tbody> </table>				Large Entity		Small Entity			Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	127	50	227	25	Surcharge - late provisional filing fee or cover sheet	105	130	205	65	Surcharge - Late nonprovisional filing fee or oath	126	180	126	180	Submission of IDS	581	40	81	40	Recording each patent assignment per property (times number of properties)
Large Entity		Small Entity																																			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description																																	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																	
105	130	205	65	Surcharge - Late nonprovisional filing fee or oath																																	
126	180	126	180	Submission of IDS																																	
581	40	81	40	Recording each patent assignment per property (times number of properties)																																	
2. Check Enclosed																																					
FEEL CALCULATION																																					
1. BASIC FILING FEE																																					
Large Entity Small Entity																																					
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description																																	
114	160	214	80	<input type="checkbox"/> Prov. Filing Fee																																	
101	770	201	385	<input checked="" type="checkbox"/> Utility Filing Fee																																	
106	340	206	170	<input type="checkbox"/> Design Filing Fee																																	
108	770	208	385	<input type="checkbox"/> Reissue Filing Fee																																	
				Subtotal (1)	770																																
2. EXTRA CLAIM FEES																																					
Number Claims		Prior	Extra	Fee from Below*	Fee Paid																																
Total	18	- 20	= 0	x _____	= _____																																
Indep.	2	- 3	= 0	x _____	= _____																																
Multiple Dependent Claims				0	x _____	= _____																															
				Subtotal (2)																																	
* Large Entity Small Entity																																					
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description																																	
103	18	203	9	Claims in excess of 20																																	
102	86	202	43	Independent claims in excess of 3																																	
104	290	204	145	Multiple dependent Claim																																	
109	86	209	43	Reissue independent claims over original patent																																	
110	18	210	9	Reissue claims in excess of 20 and over original patent																																	
OTHER FEE (specify)																																					
Subtotal (3)																																					
Total Amount of Payment:							\$ 770																														

Submitted by:

Name: Tianjun Hou	Reg. No.: 51,821	Telephone: (650) 494-8700
Signature: 		Date: October 15, 2003

1064755